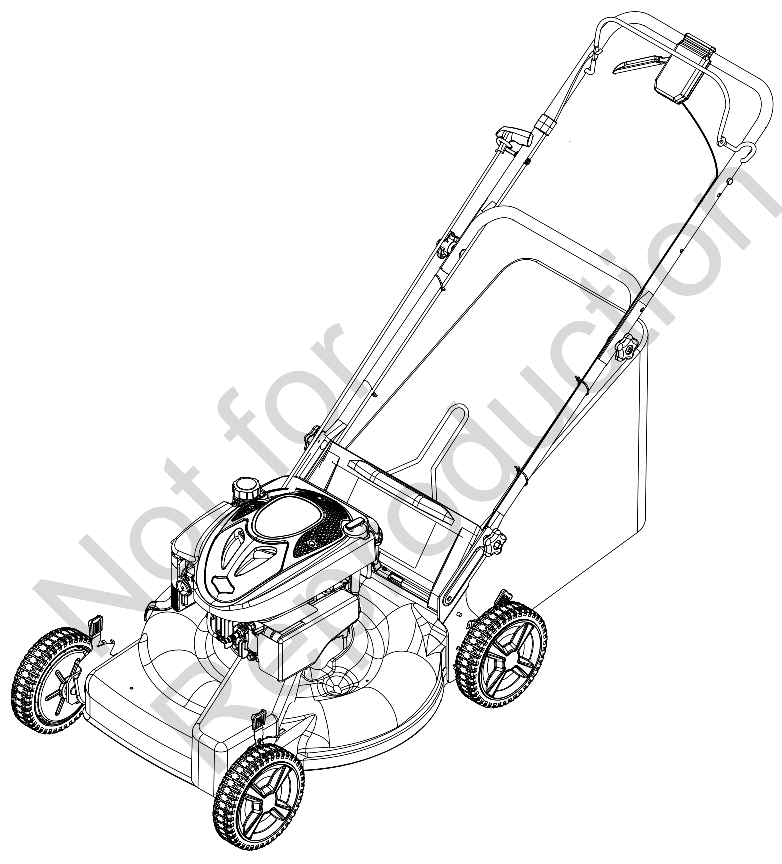
Parts Manual



Models

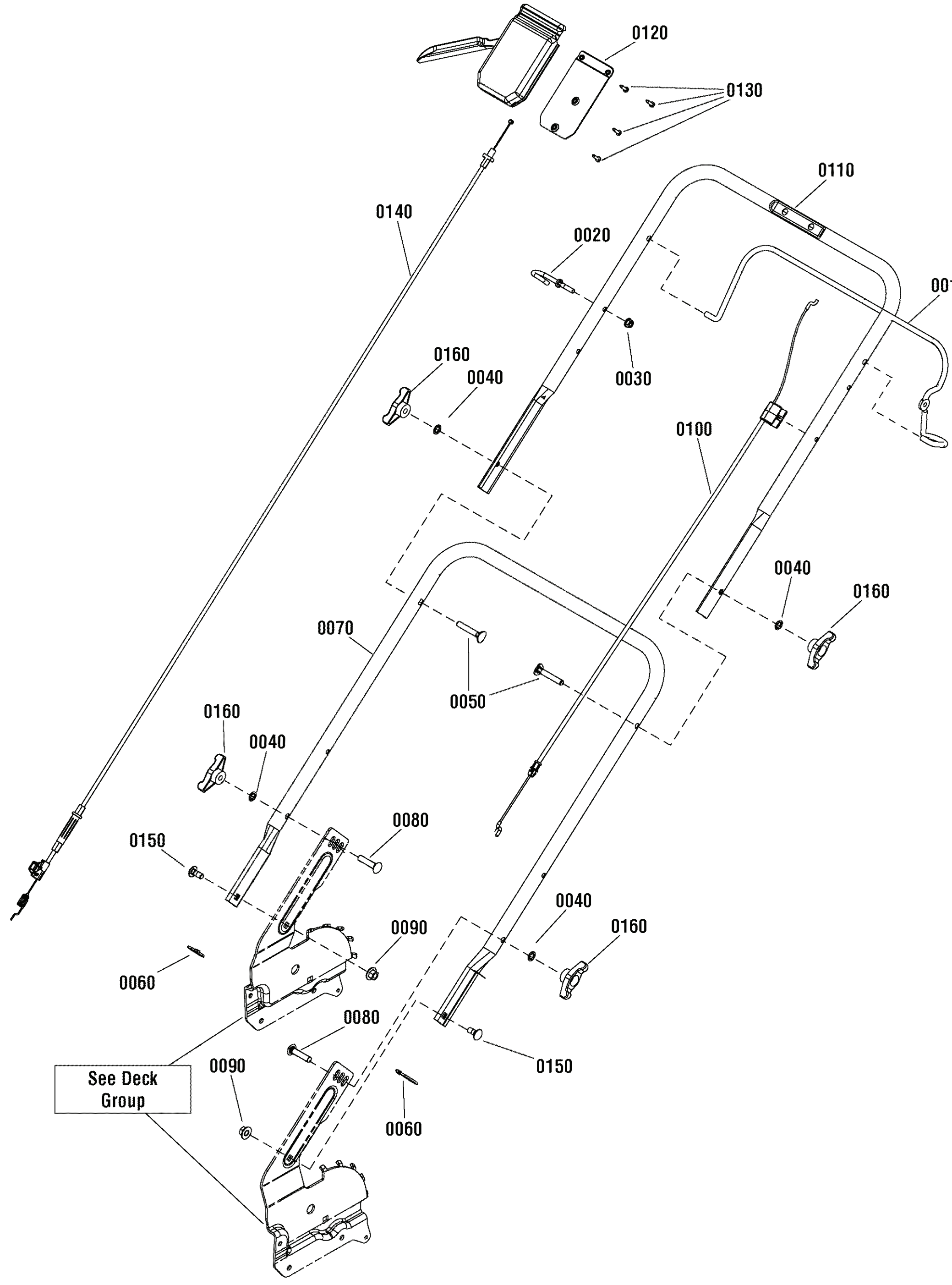
Mfg. No.	Description
7800885	BTXPV226750HW, 22" 6.75GT Brute Steel Deck Self-Propelled Walk Behind Mower (2012)

Manual Part No. 1754554
Revision A
Rev. Date: 2/29/2012

PRODUCT COMPONENTS **PAGES**

Handle & Controls Group

NOTE: Unless noted otherwise, use the standard hardware torque specification chart.



The above parts group applies to the following Mfg. Nos.:

7800885 - BTXPV226750HW

Handle & Controls Group

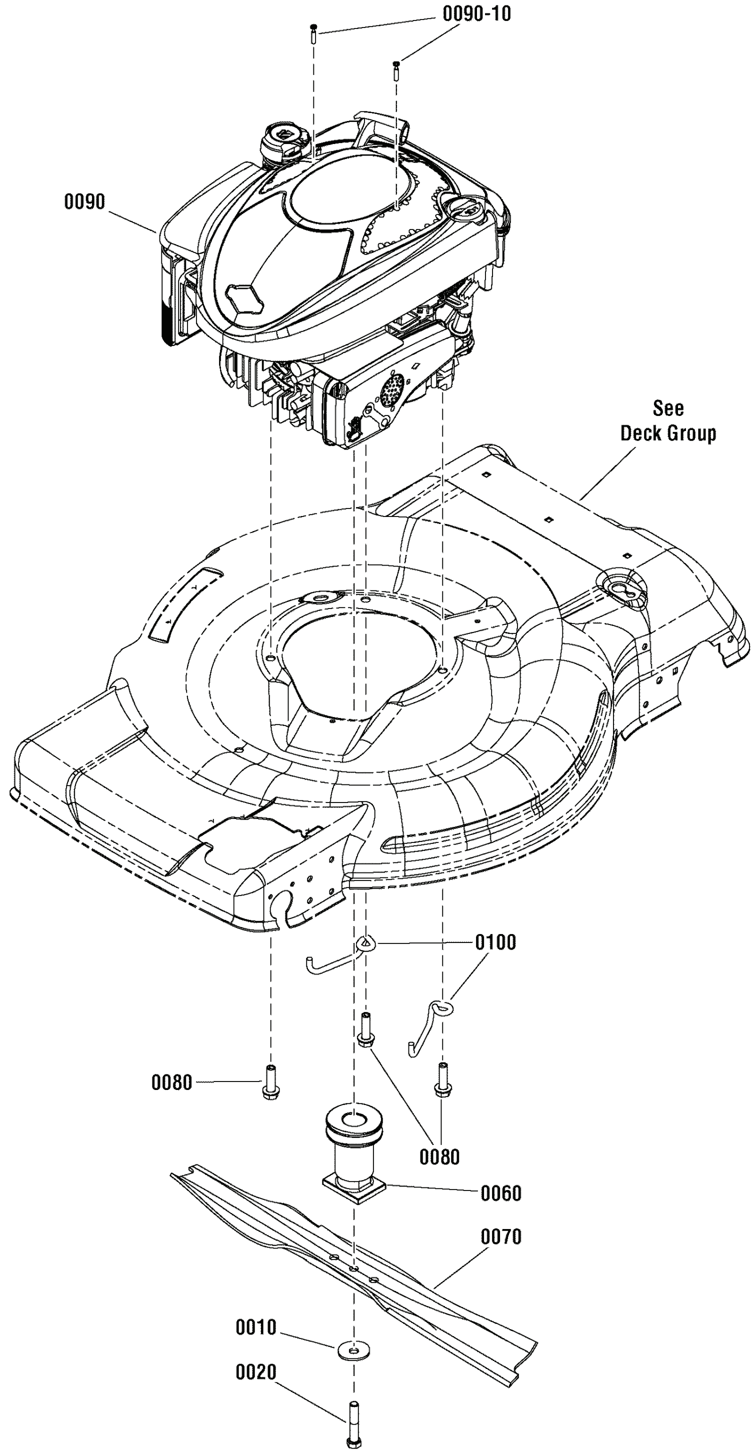
REF NO	PART NO.	QTY.	DESCRIPTION
0010	7101731AMA	1	BAIL, Operator Presence Control, Propelled, Brute
0020	7028488MA	1	GUIDE, ROPE (1/4-20 thread)
0030	2860694SM	1	NUT, Hex Flange, 1/4-20
0040	7090391SM	4	WASHER, 5/16" Internal Tooth Lock
0050	7091189YP	2	BOLT, Curved Head Square Neck, 5/16-18 x 2”, GR 2
0060	7024649YP	2	WIRE TIE, 11 Inch Std Black Nylon
0070	7300592AMA	1	HANDLE, Lower, 21” Rear Discharge
0080	1931337SM	2	BOLT, 5/16-18 x 1-1/2" Short Square Neck Carriage GR 5
0090	7090951SM	2	NUT, 5/16-18 Hex Large Flange Center Lock
0100	7101395YP	1	CABLE, Bail, 22" Walk-Behind Mower
0110	7300676AMA	1	HANDLE, Upper, Brute, Propelled
0120	7300130AMA	1	PLATE, Control Panel
0130	7100225YP	4	SCREW, #8-16 Torxplus Recessed Pan Head, Twin Helix
0140	7103677YP	1	ASSEMBLY, Control Box, Variable Speed
0150	340720MA	2	BOLT, Carriage 5/16-18 x .75
0160	7035744YP	4	KNOB, 5/16-18, Wing, Black

Footnotes

The above parts group applies to the following Mfg. Nos.:
7800885 - BTXPV226750HW

Engine Group

NOTE: Unless noted otherwise, use the standard hardware torque specification chart.



The above parts group applies to the following Mfg. Nos.:

7800885 - BTXPV226750HW

Engine Group

REF NO	PART NO.	QTY.	DESCRIPTION
0010	7012063SM	1	WASHER, Cone
0020	7090167SM	1	CAPSCREW, Hex Head, 3/8-16 x 2, GR 5
0060	7105154YP	1	HUB & PULLEY ASSEMBLY
0070	7103288YP	1	BLADE, Wave, Steel Deck
0080	7900072YP	3	SCREW, Hex Washer Head, Self Tap, 3/8-16 x 1-1/4
0090	126M02-0675-F3	1	* ENGINE, 6.75TP Briggs & Stratton (Engine Model 126M02-0675-F3)(Used before Serial No. 2015745891)
0090	126L02-4675-F3	1	* ENGINE, 6.75TP Briggs & Stratton (Engine Model: 126L02-4675-F3)(Used after Serial No. 2015745892)
0090-10	691138	2	SCREW, Pan HD Cross Recess, Tapping
0100	7103517YP	2	BELT GUIDE

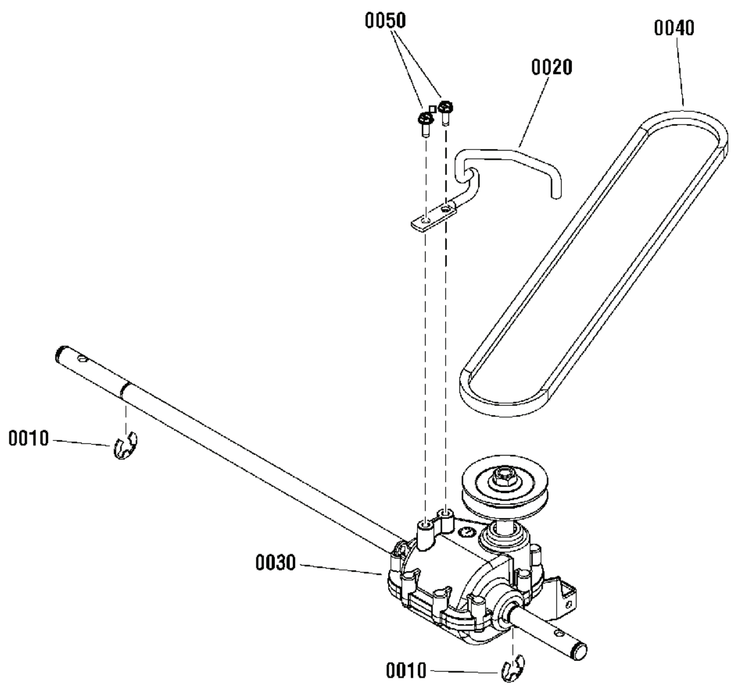
Footnotes

Note* See your local Briggs & Stratton distributor for parts and service.

The above parts group applies to the following Mfg. Nos.:
7800885 - BTXPV226750HW

Transmission Group, Front Wheel Drive

NOTE: Unless noted otherwise, use the standard hardware torque specification chart.



The above parts group applies to the following Mfg. Nos.:

7800885 - BTXPV226750HW

Transmission Group, Front Wheel Drive

REF NO	PART NO.	QTY.	DESCRIPTION
0010	7014341YP	2	RETAINING RING, 1/4" (Waldes No. 5133-50 or equivalent)
0020	7103304YP	1	BELT GUIDE, Front Wheel Drive
0030	7103311YP	1	TRANSMISSION, VS, FWD
0040	7103362YP	1	* BELT, 3L, Traction Drive, 22" WBM, FWD (32.40 Effective Length)
0050	7900055YP	2	SCREW, #10-14 x 1/2" Hex Washer Self-Tap, Plastite

Footnotes

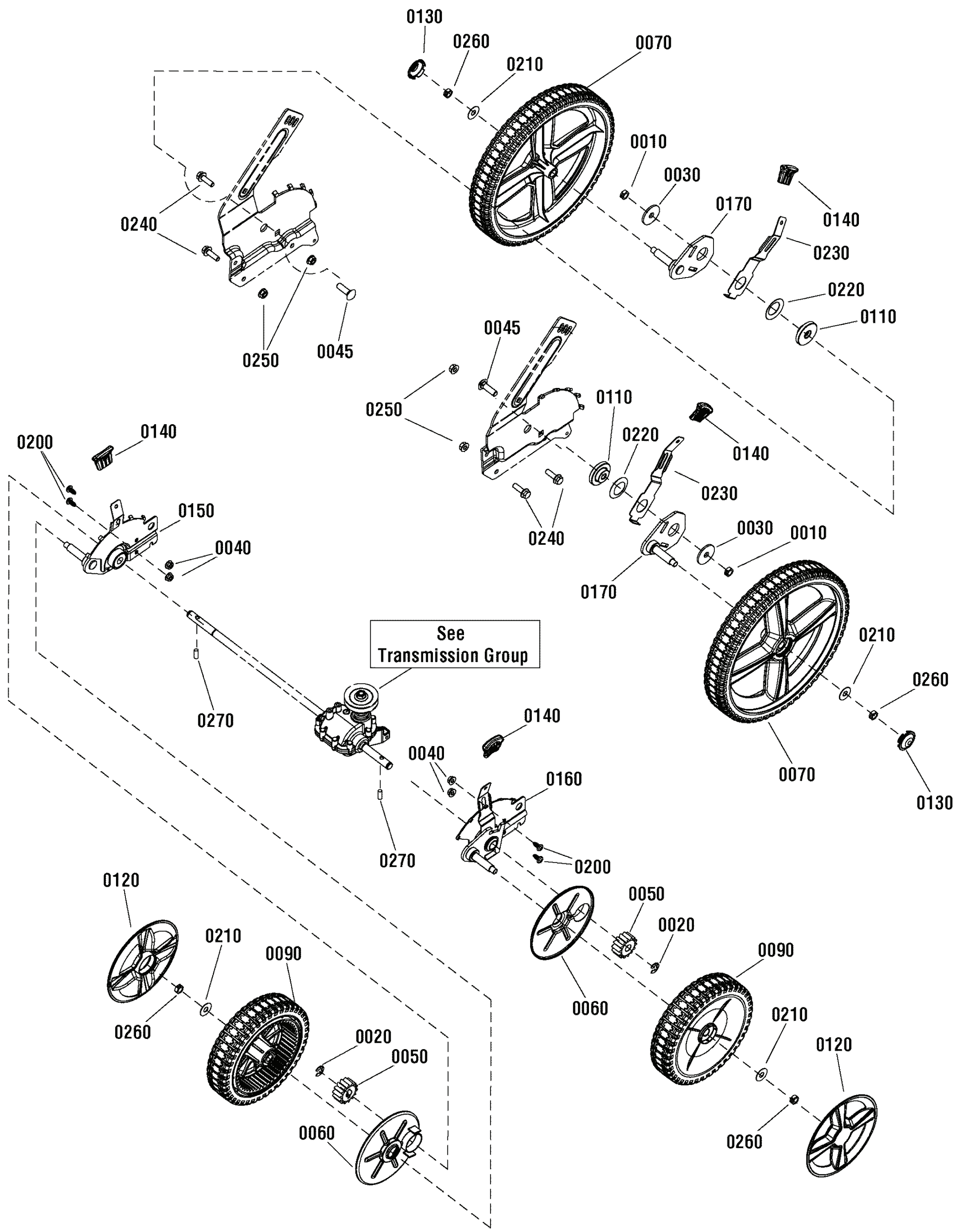
NOTE: * Part Number is stamped on belt.

The above parts group applies to the following Mfg. Nos.:

7800885 - BTXPV226750HW

Wheels Group

NOTE: Unless noted otherwise, use the standard hardware torque specification chart.



The above parts group applies to the following Mfg. Nos.:

7800885 - BTXPV226750HW

Wheels Group

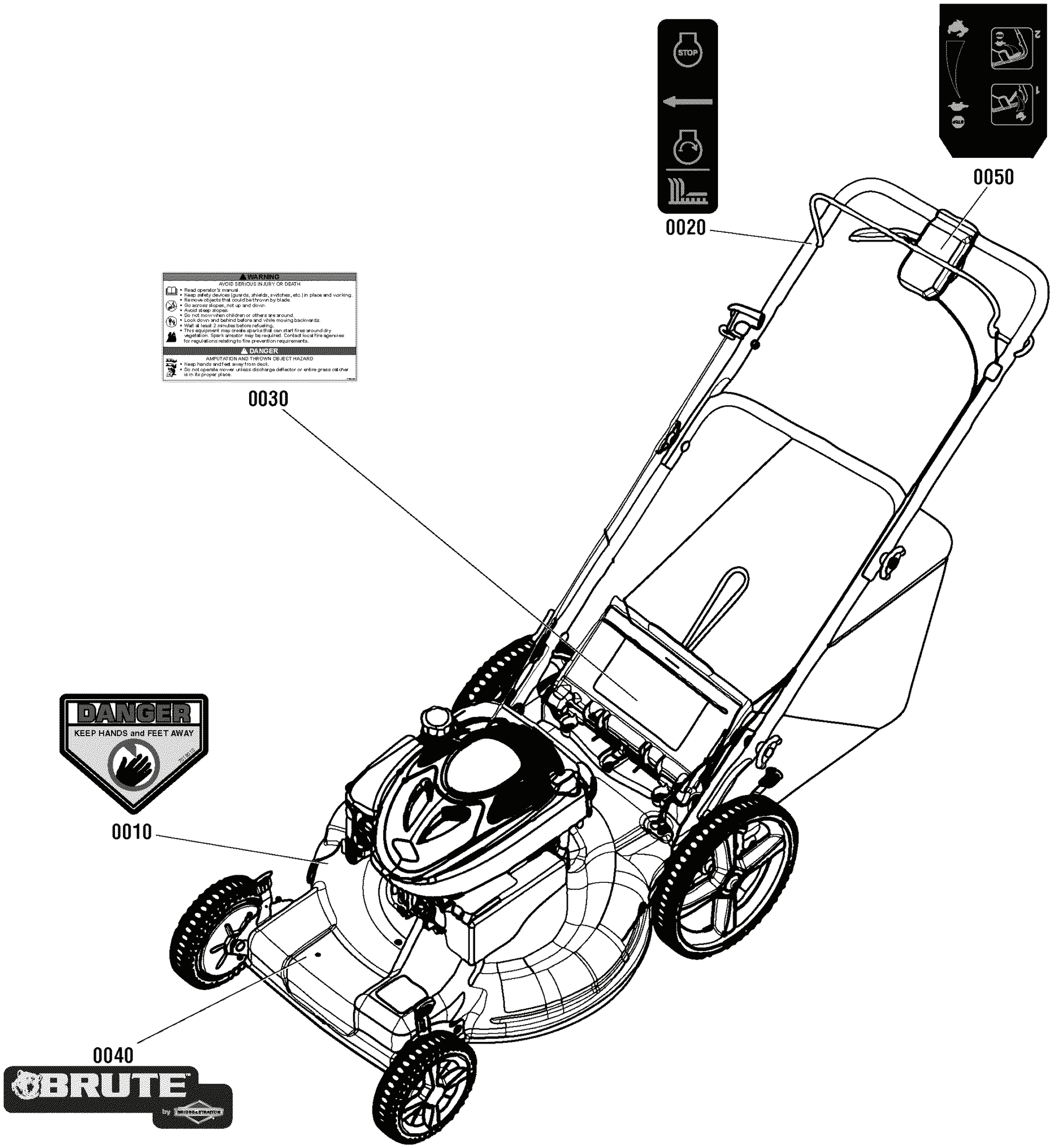
REF NO	PART NO.	QTY.	DESCRIPTION
0010	1960251SM	2	NUT, Hex Centerlock Jam, 3/8-16
0020	7014341YP	2	RING, External Retaining
0030	7091331SM	2	WASHER, 13/32 x 1-1/2” x .120 Flat, YZ
0040	7091584SM	4	NUT, 1/4-20 Hex Flange Lock, GR 5
0045	7091790YP	2	BOLT, Carriage, 3/8-16 x 1-1/4, GR5
0050	7101207YP	2	GEAR, Pinion, 22" WBM, Front Wheel Drive
0060	7101402YP	2	SHIELD, Dust, 22” WBM, Front Wheel Drive
0070	7101708MA	2	WHEEL,12" x 2" Idle, w/Db Tread, Brute Yellow
0090	7103500YP	2	WHEEL, 8" X 2" Idle w/Db Tread, Brute, Satin Black
0110	7103511YP	2	BUSHING, Pivot, Hi-Wheel, Rear
0120	7103539YP	2	HUBCAP, 8"& 9" Wheel Spoked, P-391 St Yellow
0130	7103540YP	2	HUBCAP, 12" Rim Yellow
0140	7103542YP	4	GRIP, Height Latch, P-391-St, Yellow
0150	7600104YP	1	ASSEMBLY, Height-Of-Cut, RF, 22" WBM, Propelled
0160	7600105YP	1	ASSEMBLY, Height-Of-Cut, LF, 22" WBM, Propelled
0170	7501639YP	2	ASSEMBLY, Wheel Bracket, Rear, High-Wheel (staked)
0200	7900067YP	4	SCREW, Pan Head, Self Tap, Torx, 1/4-20 x 1/2
0210	17X169MA	4	WASHER, Flat, 3/8
0220	17X178MA	2	WASHER, 1” ID x 1.64 OD Bellville
0230	7103301YP	2	LEVER, Front, Height-Of-Cut, 22"
0240	7091591SM	4	BOLT, 5/16-18 x 1" Hex Flange Lock, GR 5, YZ
0250	7091601SM	4	NUT, 5/16-18 Hex Flange lock, YZ
0260	7091585SM	4	NUT, Center Lock Hex, 3/8-16, GR 5
0270	7101270YP	2	DRIVE PIN, 22" WBM, Front Wheel Drive

Footnotes

The above parts group applies to the following Mfg. Nos.:
7800885 - BTXPV226750HW

Decals Group

NOTE: Unless noted otherwise, use the standard hardware torque specification chart.



The above parts group applies to the following Mfg. Nos.:

7800885 - BTXPV226750HW

Decals Group

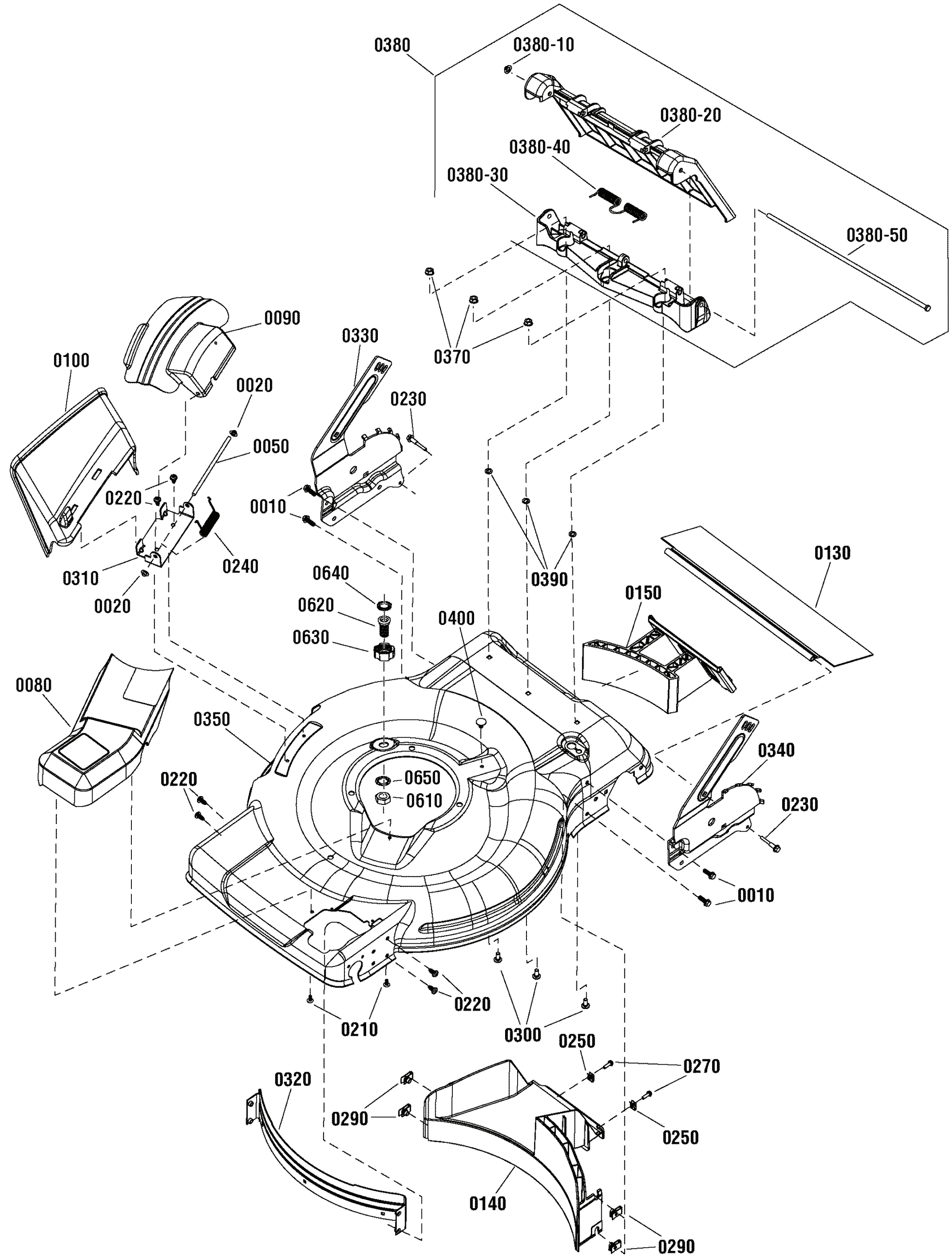
REF NO	PART NO.	QTY.	DESCRIPTION
0010	7013010SM	1	DECAL, Danger, Cut Finger
0020	7029782MA	1	DECAL, OPC Bail International Symbol
0030	7105219YP	1	DECAL, Warning, Walk-Behind Mower
0040	7103545YP	1	DECAL, Brute Walk-Behind Mower
0050	7105307YP	1	DECAL, Control Head

Footnotes

The above parts group applies to the following Mfg. Nos.:
7800885 - BTXPV226750HW

Deck Group

NOTE: Unless noted otherwise, use the standard hardware torque specification chart.



The above parts group applies to the following Mfg. Nos.:

7800885 - BTXPV226750HW

Deck Group

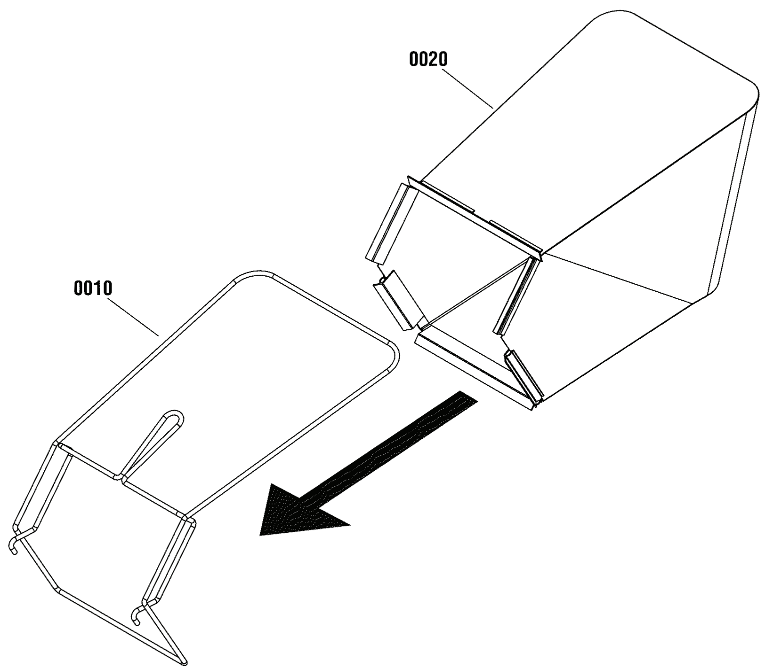
REF NO	PART NO.	QTY.	DESCRIPTION
0010	7090699YP	4	BOLT, 1/4-20 x 3/4" Hex Flange Lock, GR 5
0020	7091020YP	2	PUSHNUT, 1/4"
0050	7101067YP	1	ROD, Pivot
0080	7600108YP	1	ASSEMBLY, Belt Cover w/Heat Patch
0090	7103298YP	1	COVER, Mulching
0100	7103299YP	1	CHUTE, Side Discharge, 22" WBM
0130	7103323YP	1	GUARD, Rear 22"
0140	7103452YP	1	BAFFLE, Rear, Front Wheel Drive WBM
0150	7103453YP	1	PLUG, Mulching, 22" Deck
0210	7900018YP	2	SCREW, Hi-Lo, 4.8 x 1.59 x 13mm Round Washer Head
0220	7900067YP	6	SCREW, Pan Head, Self Tap, Torx, 1/4-20 x 1/2
0230	7900073YP	2	BOLT, Drag Shield, 1/4-20 x 1-1/2”
0240	166X38MA	1	SPRING, Torsion
0250	1960593SM	2	SPEED NUT, #10-24 Retainer with Extrusion
0270	7091075SM	2	SCREW, Hex Washer Self Tap, #10C x 5/8, GR 5
0290	7023295SM	4	U-NUT, 1/4-20
0300	7090803YP	3	BOLT, 1/4-20 x 5/8” Flat Head Square Neck, GR 5
0310	7300855BMYP	1	BRACKET, Chute
0320	7301020YP	1	BAFFLE, Front
0330	7301090AYP	1	BRACKET, Lower Handle, RH, Hi-Wheel
0340	7301091AYP	1	BRACKET, Lower Handle, LH, Hi-Wheel
0350	7301111ZYP	1	DECK, 22", Front Wheel Drive, Washout
0370	15X143MA	3	NUT, Flange Lock, 1/4-20
0380	7501541YP	1	DOOR ASSEMBLY, Rear (Incl. Ref. Nos. 0380-10, 0380-20, 0380-30, 0380-40, & 0380-50)
0380-10	7091020YP	1	NUT, Push, 1/4 (Included with Ref. No. 0380)
0380-20	7103291YP	1	DOOR, Rear Discharge (Included with Ref. No. 0380)
0380-30	7103292YP	1	HINGE, Door (Included with Ref. No. 0380)
0380-40	7103309YP	1	SPRING, Torsion, Rear Door (Included with Ref. No. 0380)
0380-50	7103322YP	1	ROD, Pivot, Rear Door (Included with Ref. No. 0380)
0390	1960518SM	3	RETAINER, 1/4" Bolt
0400	0193X1MA	1	FASTENER, Panel
--	-----	1	WASHOUT PORT ASSEMBLY
0610	1960716SM	1	NUT, 5/8-11 NC-2B Hex Jam
0620	7103804YP	1	ADAPTOR, Washout Port, WBM
0630	7103919YP	1	COUPLING, Hose
0640	7103957YP	1	WASHER, Hose
0650	7090880YP	1	WASHER, Internal Tooth, 5/8

Footnotes

The above parts group applies to the following Mfg. Nos.:
7800885 - BTXPV226750HW

Grass Catcher

NOTE: Unless noted otherwise, use the standard hardware torque specification chart.



The above parts group applies to the following Mfg. Nos.:

7800885 - BTXPV226750HW

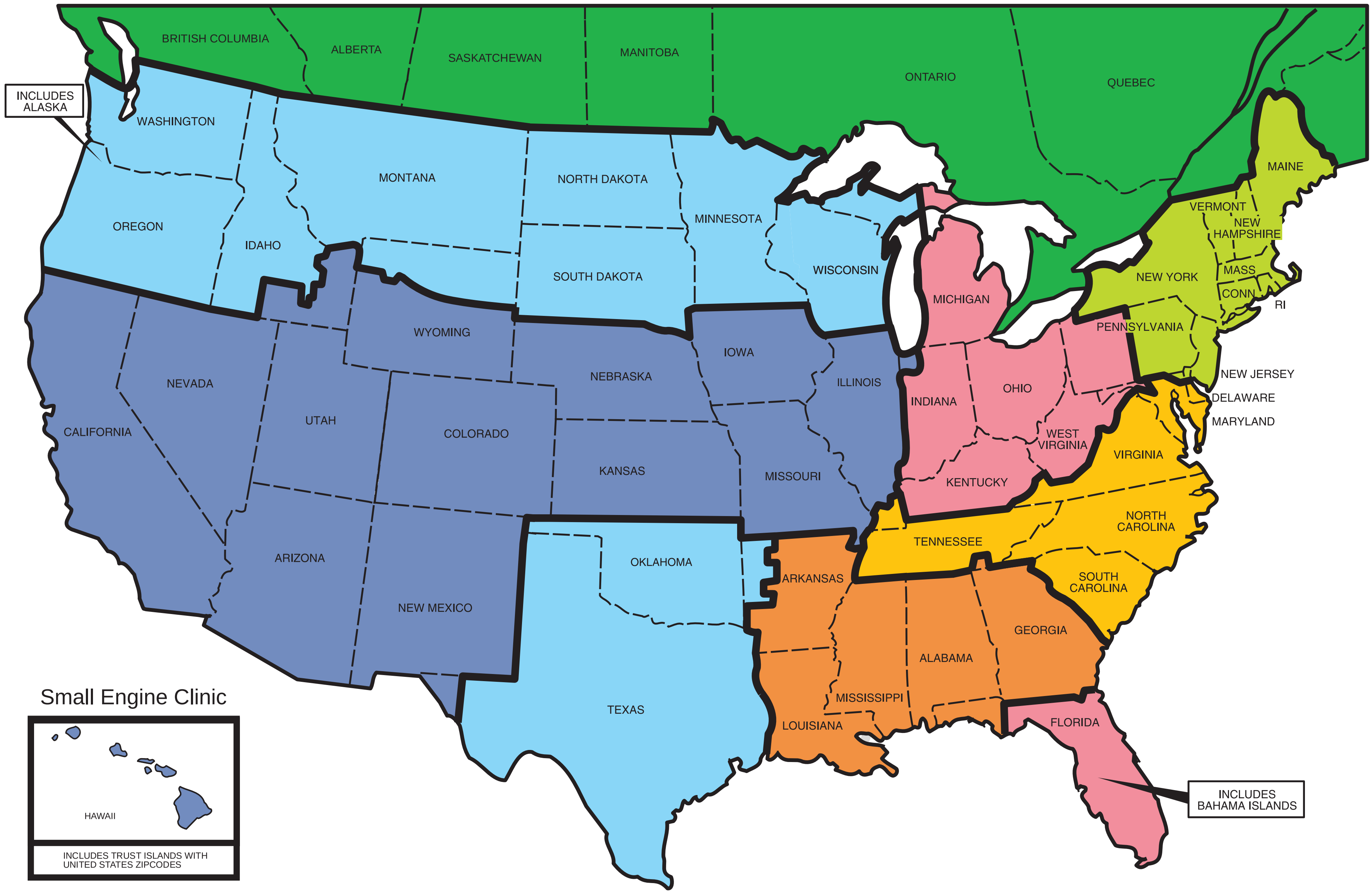
Grass Catcher

REF NO	PART NO.	QTY.	DESCRIPTION
0010	7103305AYP	1	FRAME, Grass Bag, Rear Discharge
0020	7103375YP	1	GRASS BAG, 22” Rear Discharge

Footnotes

The above parts group applies to the following Mfg. Nos.:
7800885 - BTXPV226750HW

IDN Network



Magneto Power (800) 733-7388

MWE (800) 683-8484

Preferred Power (800) 331-7164

Power Source Canada (905) 829-0006

Atlantic Power (800) 456-5692

Central Power (800) 444-7774

SEDCO (800) 346-4260

12/07

Briggs & Stratton Corporation
INTEGRATED DISTRIBUTOR NETWORK

Midwest Engines	700 Enterprise Rd Aurora, IL 60504	www.mwe.net	(800) 683-8484
Central Power Systems	3700 Paragon Dr Columbus, OH 43228	www.centralpower.com	(800) 444-7774
Atlantic Power	20 Empire Stat Rd Castleton, NY 12033	www.atlanticpowerinc.com	(800) 456-5692
Preferred Power Inc	6509-A Northpark Blvd Charlotte, NC 28216	www.centralpower.com	(800) 331-7164
Central Power Systems	3700 Paragon Dr Columbus, OH 43228	www.centralpower.com	(800) 444-7774
Magneto Power LLC	1000 W. Donges Bay Rd Suite 100 Mequon, WI 53092	www.magnetopower.com	(800) 733-7388
Sedco, Inc	225 Henry D. Robinson Blvd Pendergrass, GA 30567	www.sedcoinc.com	(800) 346-4260
Power Source Canada, LTD	2815 Bristol Circle, Unit 1 Oakville, ON L6H 6X5	www.powersourcecanada.ca	(905) 829-0006

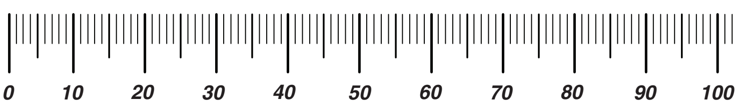
Hardware Identification & Torque Specifications

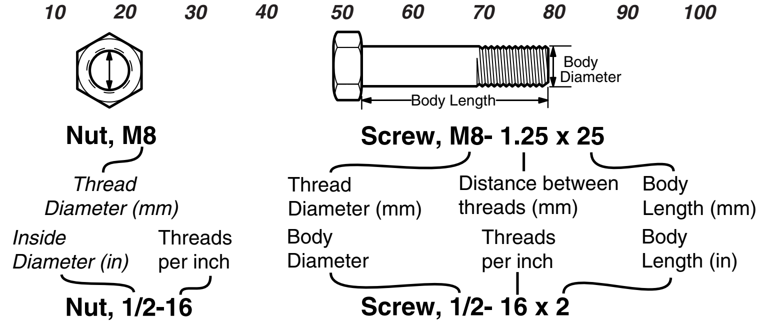
Torque Specification Chart

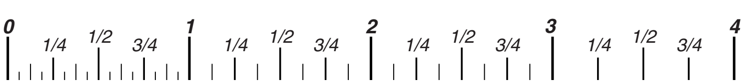
FOR STANDARD METRIC MACHINE HARDWARE (Tolerance ± 20%)

Property Class	Class 5.6		Class 8.8		Class 10.9		Class 12.9	
Size Of Hardware	*in/lbs* **ft/lbs**	Nm.	*in/lbs* **ft/lbs**	Nm.	*in/lbs* **ft/lbs**	Nm.	*in/lbs* **ft/lbs**	Nm.
M3	*5.88*	*.56*	*13.44*	*1.28*	*19.2*	*1.80*	*22.92*	2.15
M4	*13.44*	*1.28*	*30.72*	*2.90*	*43.44*	*4.10*	*52.56*	4.95
M5	*26.4*	*2.50*	*60.96*	*5.75*	**5.97**	*8.10*	**7.15**	9.7
M6	*44.64*	*4.3*	**7.3**	*9.9*	**10.3**	*14*	**12.1**	16.5
M7	**5.2**	*7.1*	**12.1**	*16.5*	**16.9**	*23*	**19.9**	27
M8	**7.7**	*10.5*	**17.7**	*24*	**25**	*34*	**29**	40
M10	**15**	*21*	**35**	*48*	**50**	*67*	**59**	81
M12	**26**	*36*	**61**	*83*	**86.2**	*117*	**103**	140
M14	**42**	*58*	**101**	*132*	**136**	*185*	**162**	220
M16	**64**	*88*	**147**	*200*	**210**	*285*	**250**	340
M18	**89**	*121*	**202**	*275*	**287**	*390*	**346**	470
M20	**126**	*171*	**290**	*390*	**405**	*550*	**486**	660
M22	**169**	*230*	**390**	*530*	**559**	*745*	**656**	890
M24	**217**	*295*	**497**	*375*	**708**	*960*	**840**	1140
M27	**320**	*435*	**733**	*995*	**1032**	*1400*	**1239**	1680
M30	**435**	*590*	**995**	*1350*	**1401**	*1900*	**1681**	2280
M33	**590**	*800*	**1349**	*1830*	**1902**	*2580*	**2278**	3090
M36	**759**	*1030*	**1740**	*2360*	**2441**	*3310*	**2935**	3980
M39	**988**	*1340*	**2249**	*3050*	**3163**	*4290*	**3798**	5150

The guides and ruler furnished below are designed to help you select the appropriate hardware.







Standard Hardware Sizing

When a washer or nut is identified as **1/2”** (M8), this is the *Nominal size*, meaning the *inside diameter* is 1/2 inch (8mm metric thread diameter); if a second number is present it represents the *threads per inch* (distance between threads).

When bolt or capscrew is identified as **1/2 - 16 x 2”** (M8 - 1.25 x 50), this means the *Nominal size*, or body diameter is 1/2 inch (8mm metric thread diameter), the second number,16, represents the *threads per inch, (1.25 thread diameter).* The final number is the body length of the bolt or screw, 2 inches (50mm).

Torque Specification Chart

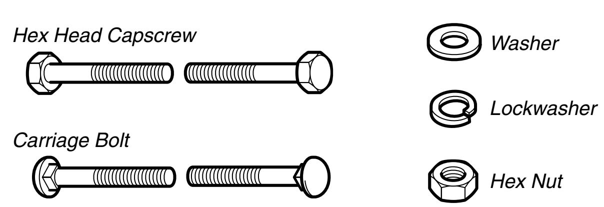
FOR STANDARD MACHINE HARDWARE (Tolerance ± 20%)

Hardware Grade	SAE Grade 2 (No Marks)		SAE Grade 5		SAE Grade 8	
Size Of Hardware	*in/lbs* **ft/lbs**	Nm.	*in/lbs* **ft/lbs**	Nm.	*in/lbs* **ft/lbs**	Nm.
8-32	*19*	2.1	*30*	3.4	*41*	4.6
8-36	*20*	2.3	*31*	3.5	*43*	4.9
10-24	*27*	3.1	*43*	4.9	*60*	6.8
10-32	*31*	3.5	*49*	5.5	*68*	7.7
1/4-20	*66*	7.6	**8**	10.9	**12**	16.3
1/4-28	*76*	8.6	**10**	13.6	**14**	19.0
5/16-18	**11**	15.0	**17**	23.1	**25**	34.0
5/16-24	**12**	16.3	**19**	25.8	**29**	34.0
3/8-16	**20**	27.2	**30**	40.8	**45**	61.2
3/8-24	**23**	31.3	**35**	47.6	**50**	68.0
7/16-14	**30**	40.8	**50**	68.0	**70**	95.2
7/16-20	**35**	47.6	**55**	74.8	**80**	108.8
1/2-13	**50**	68.0	**75**	102.0	**110**	149.6
1/2-20	**55**	74.8	**90**	122.4	**120**	163.2
9/16-12	**65**	88.4	**110**	149.6	**150**	204.0
9/16-18	**75**	102.0	**120**	163.2	**170**	231.2
5/8-11	**90**	122.4	**150**	204.0	**220**	299.2
5/8-18	**100**	136	**180**	244.8	**240**	326.4
3/4-10	**160**	217.6	**260**	353.6	**386**	525.0
3/4-16	**180**	244.8	**300**	408.0	**420**	571.2
7/8-9	**140**	190.4	**400**	544.0	**600**	816.0
7/8-14	**155**	210.8	**440**	598.4	**660**	897.6
1-8	**220**	299.2	**580**	788.8	**900**	1,244.0
1-12	**240**	326.4	**640**	870.4	**1,000**	1,360.0

NOTES

1. These torque values are to be used for all hardware excluding: locknuts, self-tapping screws, thread forming screws, sheet metal screws and socket head setscrews.
2. Recommended seating torque values for locknuts:
   a. for prevailing torque locknuts - use 65% of grade 5 torques.
   b. for flange whizlock nuts and screws - use 135% of grade 5 torques.
3. Unless otherwise noted on assembly drawings, all torque values must meet this specification.

Common Hardware Types



Wrench & Fastener Size Guide



1/4” Bolt or Nut	5/16” Bolt or Nut	3/8” Bolt or Nut	7/16” Bolt or Nut	1/2” Bolt or Nut
Wrench—7/16”	Wrench—1/2”	Wrench—9/16”	Wrench (Bolt)—5/8” Wrench (Nut)—11/16”	Wrench—3/4”
M6 Bolt or Nut Wrench—10mm	**M8 Bolt or Nut** Wrench—13mm	**M10 Bolt or Nut** Wrench—17mm	**M12 Bolt or Nut** Wrench—19mm	**M14 Bolt or Nut** Wrench—22 mm

BRUTE™

IT IS THE POLICY OF BRIGGS & STRATTON CORP. TO IMPROVE ITS PRODUCTS WHENEVER IT IS POSSIBLE AND PRACTICAL TO DO SO. WE RESERVE THE RIGHT TO MAKE CHANGES OR ADD IMPROVEMENTS AT ANY TIME WITHOUT INCURRING ANY OBLIGATION TO MAKE SUCH CHANGES ON PRODUCTS.

Briggs & Stratton Power Products Group
12301 W. Wirth Street
Wauwatosa, WI, 53222 USA

www.brutepower.com